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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
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HELENA, MONTANA 59601

Vol. XX, No. 9 — 66 — **SEPTEMBER, 1972**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1972, averaged 92,492 barrels daily, an increase of 392 barrels from the average August, 1972, production of 92,100.

The nine refineries in the state processed 142,044 barrels of crude oil daily for the month of September, 1972, an increase of 2,885 barrels from the 139,150 barrels processed daily during the month of August, 1972.

During September, 79 wells were completed, 7 oil, 23 gas and 49 dry holes.

During September the commission issued 77 permits to drill new wells, a decrease of 14 from the 91 permits issued during August.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1972

IN STORAGE SEPTEMBER 1st	
By Producers	299,352
By Transporters	1,308,035
By Refiners	902,400
TOTAL STORAGE	2,509,787
Produced in Montana During Month	2,774,744
Imported During Month	3,450,718
TOTAL	8,735,249
DISPOSITION:	
Refined in Montana	4,261,322
Exported	2,226,692
Used for Fuel or Lost	5,956
TOTAL	6,493,970
IN STORAGE SEPTEMBER 30th	
By Producers	284,040
By Transporters	1,213,073
By Refiners	744,166
TOTAL STORAGE	2,241,279

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1972

Field	M. C. Ft.
Bell Creek	(65,950)
Big Coulee	74,786
Blackjack	34,553
Bowdoin	95,886
Bowes	34,177
Cabin Creek	88,344
Cedar Creek	118,960
Cut Bank (including Regan)	378,592
Dry Creek	29,243
Elk Basin	38,009
Flat Coulee	2,103
Gold Butte	136
Grandview	6,902
Hardin	3,111
Keith Block	50,903
Kevin Sunburst	2,784
Lake Basin	26,117
Middle Butte	1,612
Mt. Lilly	—0—
Pine	43,607
Plevna	1,649
South Devon	4,268
Tiger Ridge —Squaw Coulee	149,762
Trail Creek	4,925
Utopia	—0—
West Butte	—0—
Whitlash	40,376
Miscellaneous	234,638
TOTAL	1,394,493

Total Withdrawals for September, 1971, were 2,020,620.

PRODUCERS REPORT — MONTH OF SEPTEMBER, 1972

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	230	989	----------	1,194	----------	25
1	Bainville	1	3,087	2,203	----------	2,669	----------	2,621
4	Bannatyne	4	----------	772	772	----------	----------	----------
4	Bear's Den	5	2,522	846	----------	2,229	----------	1,139
18	Bell Creek	253	25,026	523,115	525,167	----------	----------	22,974
1	Benrud	1	171	1,879	1,170	----------	----------	340
2	Benrud East	2	1,266	12,712	12,741	----------	----------	1,237
1	Benrud Northeast	1	572	1,798	1,511	----------	----------	859
1	Berthelote	1	463	190	440	----------	----------	213
5	Big Wall	11	1,133	6,638	7,091	----------	----------	680
5	Blackfoot	6	556	1,588	1,488	----------	----------	656
5	Border	7	1,026	662	----------	576	----------	1,112
1	Bowes	41	2,791	10,865	11,099	----------	----------	2,557
1	Bradley	1	295	530	405	----------	----------	420
2	Brady	2	102	360	360	----------	----------	102
4	Brorson-Madison	4	1,346	3,261	----------	3,723	----------	884
5	Brorson-Red River	5	4,839	10,052	----------	10,333	----------	4,558
3	Brorson-Red River South	3	1,570	7,043	----------	7,037	----------	1,576
1	Burns Creek	1	372	3,263	----------	3,217	----------	418
7	Brush Lake	7	1,266	17,932	17,590	----------	----------	1,608
2	Cabin Creek	91	----------	249,521	249,521	----------	----------	----------
1	Canal	1	1,208	6,688	----------	7,014	----------	882
10	Cat Creek	47	3,257	16,858	17,437	----------	----------	2,678
1	Clark's Fork	1	32	149	----------	----------	----------	181
1	Clark's Fork South	1	49	527	----------	209	----------	367
----	Conrad South	---	100	----------	----------	----------	----------	100
2	Cow Creek	2	344	752	----------	687	----------	409
4	Cow Creek East	5	1,374	31,000	----------	31,329	----------	1,045
1	Culbertson	1	414	837	----------	1,055	----------	196
4	Cupton	7	3,753	9,787	8,165	2,086	----------	3,289
124	Cut Bank	871	50,113	378,277	377,936	789	182	49,482
----	Dean Dome	---	65	----------	----------	----------	----------	65
1	Deer Creek	1	621	1,193	1,115	----------	----------	699
1	Delphia	1	419	306	----------	204	----------	521
----	Devil's Basin	---	488	----------	373	----------	----------	115
2	Dwyer	13	4,846	15,790	17,544	----------	----------	3,092
3	Elk Basin	47	959	131,896	132,039	----------	----------	816
5	Elk Basin Northwest	9	1,423	5,440	5,135	----------	----------	1,728
5	Fairview	9	9,049	32,468	14,540	20,104	163	6,710
2	Fertile Prairie	2	795	1,362	----------	1,654	----------	503
5	Flat Coulee	20	1,926	5,982	5,888	----------	----------	2,020
31	Flat Lake	48	4,206	48,216	48,372	----------	----------	4,050
4	Flat Lake South	5	1,324	7,572	7,885	----------	----------	1,011
1	Four Buttes	1	537	804	----------	1,097	----------	244
1	Ft. Gilbert	2	183	14,950	14,928	----------	----------	205
1	Frannie	1	----------	1,860	1,860	----------	----------	----------
8	Fred & George Creek	34	2,061	34,831	35,532	----------	----------	1,360
1	Froid South	1	982	1,166	----------	1,692	----------	456
1	Gage	1	226	90	----------	165	----------	151
3	Gas City	18	7,608	23,036	20,805	5,542	----------	4,297
2	Girard	2	1,203	2,597	----------	2,313	----------	1,487
11	Glendive	15	2,512	23,813	24,600	----------	----------	1,725
26	Goose Lake	34	3,839	30,730	29,438	----------	----------	5,131
9	Graben Coulee	20	6,202	3,229	1,795	1,770	----------	5,866
----	Gypsy Basin	---	187	----------	----------	----------	----------	187
1	Hay Creek-Mission Canyon	1	65	1,309	1,319	----------	----------	55
2	Hay Creek-Red River	2	500	9,687	9,775	----------	----------	412
5	Hiawatha	5	3,306	6,684	7,420	----------	----------	2,570
1	Injun Creek	1	554	260	----------	413	----------	401
6	Ivanhoe	12	1,156	3,660	3,039	----------	----------	1,777
1	Jim Coulee	18	4,445	44,877	45,431	----------	----------	3,891
5	Keg Coulee	16	3,967	14,818	13,451	----------	----------	5,334
2	Keg Coulee North	2	491	1,097	898	----------	----------	690
1	Kelley	1	866	7,983	8,223	----------	----------	626
85	Kevin Sunburst	473	8,228	30,880	21,899	7,689	674	8,846
8	Laird Creek	10	648	2,932	----------	3,073	5	502
1	Landslide Butte	2	531	505	----------	----------	----------	1,036
3	Leary	3	1,959	3,251	----------	3,221	84	1,905
1	Little Beaver	23	----------	32,803	32,803	----------	----------	----------
2	Little Beaver East*	11	2,012	9,747	10,535	----------	----------	1,224
1	Little Wall Creek	1	644	5,449	5,609	----------	----------	484
2	Lodge Grass	2	685	1,040	----------	1,064	----------	661
5	Lonetree Creek	5	2,723	32,614	----------	33,067	----------	2,270
3	Lookout Butte (Coral Creek)	31	348	55,645	55,639	----------	----------	354
1	Mason Lake	1	338	233	----------	----------	----------	571
2	Melstone	3	619	2,042	2,070	----------	----------	591
1	Mineral Bench	1	315	460	416	----------	----------	359
1	Miner's Coulee	1	107	1,208	----------	1,208	----------	107
11	Monarch	14	3,717	15,078	11,693	3,083	----------	4,019
2	Mosser	2	----------	571	----------	571	----------	----------
1	Nohly	1	1,037	14,969	----------	14,985	----------	1,021
2	Otis Creek	2	450	4,436	----------	4,185	----------	701
6	Outlook	8	4,972	11,635	10,989	----------	----------	5,618
1	Outlook South	1	603	195	----------	----------	----------	798
2	Outlook West	2	1,446	2,237	2,241	----------	----------	1,442
1	Pennel-Lookout Butte	111	----------	167,913	167,913	----------	----------	----------
4	Pine	109	17,013	229,524	229,379	----------	----------	17,158
60	Pondera	229	3,532	22,740	20,705	----------	----------	5,567
1	Pondera Coulee	1	----------	190	190	----------	----------	----------
6	Poplar	65	7,034	43,540	42,578	----------	----------	7,996
2	Poplar Northwest	2	1,645	1,132	929	----------	----------	1,848
----	Prairie Elk	---	464	----------	----------	----------	----------	464
1	Pritchard Creek	1	167	689	689	----------	----------	167
1	Putnam	2	242	10,007	----------	10,007	----------	242
4	Ragged Point	12	6,035	5,013	7,711	----------	----------	3,338
2	Rattlesnake Coulee	2	936	459	1,009	----------	----------	386
5	Raymond	5	1,365	38,641	38,482	----------	----------	1,524
3	Reagan	45	1,055	17,065	16,971	----------	----------	1,149
1	Red Creek	19	----------	12,153	12,153	----------	----------	----------
1	Red Fox	1	206	620	648	----------	----------	178
1	Redstone	1	188	1,000	1,000	----------	----------	188
1	Repeat	1	250	1,187	1,327	----------	----------	110
3	Reserve	4	193	5,622	5,380	----------	----------	435
1	Richey	1	258	447	427	----------	----------	278
1	Richey Southwest	5	356	1,549	1,703	----------	----------	202
1	Rough Creek	1	362	67	----------	----------	----------	429
1	Rush Mountain	1	473	2,522	2,790	----------	----------	205
2	Salt Lake	3	560	3,864	----------	3,915	----------	509
4	Sand Creek	6	582	3,692	2,757	----------	----------	1,517
1	Snyder	4	187	838	----------	766	----------	259
7	Soap Creek	18	792	4,878	----------	4,665	----------	1,005
2	Spring Lake	2	1,639	1,933	----------	1,726	----------	1,846
1	Stensvad	4	3,159	22,004	21,220	----------	----------	3,943
15	Sumatra	78	20,307	96,389	96,930	----------	29	19,737
5	Tule Creek	5	3,268	18,788	----------	19,548	----------	2,508
2	Tule Creek East	2	621	6,931	----------	7,068	----------	484
2	Tule Creek South	3	879	2,513	----------	2,528	17	837
2	Vida	2	468	877	----------	840	----------	505
4	Volt	5	2,324	9,952	10,592	----------	----------	1,684
2	Weed Creek	3	635	1,453	1,570	----------	5	513
3	Weldon	3	1,176	8,698	8,934	----------	----------	940
1	West Butte	1	----------	1,753	----------	1,753	----------	----------
17	Whitlash	42	8,094	8,640	9,551	----------	----------	7,183
----	Whitlash West	---	284	----------	----------	----------	----------	284
2	Willow Creek North	2	609	1,861	1,993	----------	----------	477
2	Wills Creek South	2	----------	2,550	2,550	----------	----------	----------
2	Wolf Springs	3	1,331	2,191	1,787	----------	51	1,684
2	Woodrow	2	188	1,775	1,565	----------	----------	398
5	Wright Creek	5	2,107	1,333	1,800	----------	----------	1,640
1	Wildcat, Blaine City	1	157	1,445	----------	1,094	----------	508
----	Wildcat, Carbon Cty	---	310	----------	----------	----------	310	----------
----	Wildcat, McCone Cty	---	98	----------	----------	----------	----------	98
4	Wildcat, Toole Cty	4	133	1,576	1,404	----------	----------	305
701	Total	3,143	299,352	2,774,744	2,553,369	235,167	1,520	284,040

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1971	34,598,723	94,791	34,623,678	94,859
First Quarter, 1972	8,240,945	90,560	8,211,215	90,233
Second Quarter, 1972	8,547,983	93,934	8,559,903	94,065
July, 1972	2,899,676	93,538	2,900,373	93,560
August, 1972	2,855,111	92,100	2,855,472	92,112
September, 1972	2,774,744	92,492	2,788,526	92,951

Oil In Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil In Storage**
December, 1971	290,832	1,316,908	605,612	2,213,352
March, 1972	318,394	1,389,602	990,950	2,698,946
June, 1972	304,580	1,480,979	1,091,168	2,876,727
July, 1972	303,167	1,378,479	1,061,502	2,743,148
August, 1972	299,352	1,308,035	902,400	2,509,787
September, 1972	284,040	1,213,073	744,166	2,241,279

*Montana Oil Only

**Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF SEPTEMBER, 1972

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Inc.			1,194				1,194		
BAINVILLE—Koch Oil Company			2,669				2,669		
BEAR'S DEN—Truck			2,229				2,229		
BELL CREEK—Pipeline	51,460	525,167					239,310	283,999	53,318
BIG WALL—Continental Pipeline Co.		8,630				8,630			
BLACKFOOT—									
Camerland Cardinal Corp.		1,488						1,488	
BORDER—Permian Corp.			576					576	
BOWES—Texaco Inc.		11,099				11,099			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON- RED RIVER SOUTH—Koch Oil Company			21,093					21,093	
BURNS CREEK—									
Western Crude Oil, Inc.			3,217				3,217		
BRUSH LAKE—Portal Pipeline Co.		17,581					17,581		
CABIN CREEK & OTHERS*—									
Butte Pipeline Co.	354,158	639,885	15,178	739,503			1,270,747		377,977
Shell Pipeline Co.	3,513	289,646			380			290,067	2,712
	357,671	929,531	15,178	739,503	380		1,270,747	290,067	380,689
CANAL—Koch Oil Company			7,014				7,014		
CAT CREEK—									
Continental Pipeline Co.		13,835				13,835			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			209				209		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			32,016				32,016		
CULBERTSON—Spruce Oil Co.			1,055				1,055		
CUT BANK—									
Continental Pipeline Co.		455,069	14,722					469,791	
Phillips Petroleum Co.	40,460	132,491		24,758	1,922	163,885			31,902
Texas Pipeline Co.	15,000	40,281		62,002	(147)			92,100	25,330
Union Oil Co.	77,366	48,381			(307)	72,211			53,843
Western Oil Trans. Co.		52,411						52,411	
Western Oil Trans. Co. (Moulton)		117,843						117,843	
	132,826	846,476	14,722	86,760	1,468	236,096		732,145	111,075
DELPHIA—Truck			204			204			
DWYER—Portal Pipeline Co.		17,545					17,545		
ELK BASIN AND ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		136,019				136,019			
FAIRVIEW—									
Fairview Pipeline Co.		14,540					14,540		
Koch Oil Company			20,104				20,104		
		14,540	20,104				34,644		
FLAT COULEE—									
Camerland Cardinal Corp.		5,265				5,265			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		52,769					52,769		
FT. GILBERT—									
Fairview Pipeline Co.		14,928					14,928		
FOUR BUTTES—Truck			1,097					1,097	
FRANNIE—Interstate Pipeline Co.		1,860					1,860		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	16,616	36,778				42,694		3,770	6,930
FROID SOUTH—Truck			1,692					1,692	
GAGE—Truck			165			165			
GIRARD—Koch Oil Company			2,313				2,313		
GLENDIVE, DEER CREEK, WODDROW & SAND CREEK—									
Texas Pipeline Co.	6,500	23,402			419			21,912	7,571
GOOSE LAKE—Portal Pipeline Co.		26,979					26,979		
HAY CREEK—Fairview Pipeline Co.		11,094					11,094		
HIAWATHA—Continental Pipeline Co.		7,039					7,039		
IVANHOE—Continental Pipeline Co.		3,040				3,040			
JIM COULEE—									
Continental Pipeline Co.		43,530					43,530		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		11,697				8,431	3,266		
KELLEY—Continental Pipelne Co.		8,233				8,233			
KEVIN SUNBURST—									
Big West Oil Co.	6,449	14,955				14,474			6,930
Homestake Oil & Gas Co.	1,035	1,449				1,617			6,930
Texas Pipeline Co.	15,500	14,020			360	17,654			11,506
	22,984	30,424			360	33,745			19,303
LEARY—Permian Corp.			3,221				3,221		
LODGE GRASS—Permian Corp.			1,064			1,064			
LONE TREE CREEK—Koch Oil Co.			33,067					33,067	
MELSTONE—Continental Pipeline Co.		1,975				1,776	199		
MIDDLE WALL—**									
Continental Pipeline Co.		5,609						5,609	
MOSSER—Permian Corp.			571				571		
NOHLY—Koch Oil Co.			14,985				14,985		
OTIS CREEK—									
Western Crude Oil, Inc.			4,185				4,185		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		16,784					16,784		
PONDERA—Phillips Petroleum Co.	20,798	22,099			312	26,632			15,953
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE—									
East Poplar Gathering System	15,664	60,851			237			64,098***	12,180
PUTNAM—Western Crude Oil, Inc.			10,007				10,007		
RAGGED POINT—									
Continental Pipeline Co.		5,168				5,168			
RAYMOND—Portal Pipeline Co.		32,938					32,938		
RED CREEK—									
Western Oil Transportation Co.		13,963						13,963	
RESERVE—Portal Pipeline Co.		5,547					5,547		
RUSH MOUNTAIN—Sinclair Ref. Co.		2,790					2,790		
SALT LAKE—Koch Oil Company			3,915				3,915		
SNYDER—Permian Corp.			766			766			
SOAP CREEK—Permian Corp.			4,665				4,665		
SPRING LAKE—Koch Oil Co.			1,726				1,726		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	677,761	112,751		2,823,055	459	108,274		2,902,000	602,834
TULE CREEK—									
Spruce Oil Co.	5,755		26,616			29,151			3,220
Permian Corp.			2,538			2,538			
	5,755		29,154			31,689			3,220
WEED CREEK & WOLF SPRINGS—									
Continental Pipeline Co.		3,356				3,356			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		11,613				11,613			
WILDCAT WELLS—Truck			1,094			1,094			
TOTAL	1,308,035	3,094,393	235,167	3,649,318	3,635	698,888	1,994,741	4,376,576	1,213,073

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon & Wills Creek South
**Little Wall Creek & Willow Creek North
***Transferred to Butte Pipeline Company

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1972

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petroleum Co.	Spruce Oil Co.	Westco Refining Co.	Total
Big Wall		8,630								8,630
Bowes			20,672							20,672
Cat Creek		2,578		5,616		5,641				13,835
Cut Bank	25,640						173,370		117,696	316,706
Delphia						1,074				1,074
Elk Basin		51,639		44,536	39,844					136,019
Flat Coulee									5,265	5,265
Fred & George Creek	42,694									42,694
Gage & Gage Southwest						931				931
Hiawatha						105				105
Hibbard						1,078				1,078
Ivanhoe		3,040								3,040
Keg Coulee		2,539		5,892						8,431
Kelley					8,233					8,233
Kevin Sunburst	33,745									33,745
Lodge Grass		1,064								1,064
Melstone				1,776						1,776
Pondera							15,823			15,823
Ragged Point				5,168						5,168
Snyder		766								766
Sumatra & Stensvad		15,592		92,682	11,728					120,002
Tule Creek								62,191		62,191
Weed Creek					1,570					1,570
Wolf Springs					1,786					1,786
Total Montana Oil	102,079	85,848	20,672	155,670	63,161	8,829	189,193	62,191	122,961	810,604
Canadian Oil Imported		445,097		511,212	339,402					1,295,711
Wyoming Oil Imported		893,576		348,549	912,882					2,155,007
Total Montana, Canadian and Wyoming Oil	102,079	1,424,521	20,672	1,015,431	1,315,445	8,829	189,193	62,191	122,961	4,261,322

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1971	25,375	29,993	67,911	123,279
September, 1971	23,296	41,584	68,960	133,840
September, 1972	27,020	43,190	71,834	142,044

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1971	20.58%	24.33%	55.09%
September, 1971	17.41%	31.07%	51.52%
September, 1972	19.02%	30.41%	50.57%